

asbestos

Vol. 10

FEBRUARY 1929

No. 8





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... ASBESTOS ...

A MONTHLY MARKET JOURNAL
DEVOTED TO THE INTERESTS OF THE
ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER

EDITOR

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February 1929

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The Molded Brake Lining Situation

Miners and spinners alike, to say nothing of the brake lining manufacturers themselves, are carefully watching and studying the trend toward the use of molded brake lining by various automobile manufacturers.

Because of the far reaching effect (how far reaching it is yet impossible to determine) which the exclusive use of the molded type of lining would have on the asbestos industry, we have been urged to survey the situation in the pages of "ASBESTOS", and the opinions and information given in the following pages are based on statements and ideas of various manufacturers of molded lining, to whom we are deeply indebted for their courteous and comprehensive replies to our numerous and perhaps somewhat tedious questions.

The molded type of lining is not, as many may suppose, a new departure. Its use on cranes and other heavy industrial machinery has been known for some years, and it has been experimented with for use on passenger cars since 1918. One of the first molded linings consisted of asbestos millboard, impregnated, cured to the proper shape, the millboard being reinforced on the back by a thin piece of sheet metal. Several satisfactory tests were made on this material but as it was a very radical departure from then accepted practice, no great amount of enthusiasm was shown by car or axle manufacturers. The material was used, however, for a number of years on Ford Transmission bands.

A molded lining of a somewhat different type was also approved in 1918 but was not adopted because of the inability of service stations and garages at that time to service such a material. Various other molded linings were attempted from 1918 to 1924, but little progress was made, due principally to the fact that the molded type at that time and used under the then prevailing conditions, did not appear to offer any very great advantages over the woven type. The manufacturers themselves admit that they were not certain whether the material had any real merit.

A S B E S T O S

It was in 1924 about the time (and this is significant) that four wheel *internal* brakes made their appearance, that the first volume of production of the molded type for equipment purposes took place. From then up until 1927 there were no further adoptions of the strictly molded type, but during the latter year, the trend in brake design seemed to suddenly change from the external to the internal type of brake. At the present time at least ten makes of cars use the molded on all or at least some of their models, 40 out of 84 models at the recent New York Show being equipped with it.

It seems reasonable to conclude that the present movement toward molded brake lining was brought about, not by the brake lining manufacturer (who was not particularly anxious to discard the spinning and weaving equipment he had acquired at considerable expenditure); not by the motorist (who has practically no say in the matter until after the adoption by the car manufacturer); nor even by the car manufacturer or engineer, who has been probably the largest factor in pushing the use of the molded type; but by the change in motoring and traffic conditions, which demanded better braking powers under more severe conditions, and for which the internal brake appeared to give better service than the external. Following on the heels of the almost general adoption of the internal brake, came the realization that the molded type was probably better suited for this type of brake than any other type of lining, and, likewise, better suited for the internal type of brake than for the external type. In fact brake lining manufacturers generally, do not recommend molded lining for external brakes.

The car manufacturer or car engineer is, however, almost entirely responsible for the rapid development of molded lining. He believes that the molded lining gives better results on the internal brake, both in durability and in actual braking power, than the woven type, and consequently demanded the molded. It is, in fact, estimated that eight hundred thousand cars equipped with molded lining are now in active service, and give less than 10% of the complaints previously encountered with

— A S B E S T O S —

woven linings.

"The internal brake," says one manufacturer, "requires a brake lining which is manufactured to a very close variation in thickness because there is less tolerance in the set-up of an internal brake, and it is possible to control the variation to a greater extent in the molded lining than in the woven." "If," he continues, "molded brake lining is manufactured too hard, or too rigid, it will not conform to a variation in the drums or shoes and will also have a tendency to score low carbon steel drums, chatter and squeal; on the other hand, if a molded lining is too soft, it will disintegrate under heat as there is a great deal more organic material in molded brake lining than in woven."

The chief advantages of molded lining are listed as four. First, brakes operate more quietly, a quality which particularly appeals to the motorist in this day of squealing brakes. Second, that molded lining will not score drums. There are, as always, exceptions, one manufacturer citing the experience of a Detroit Automotive Engineer, who, on a service test, found the molded lining to squeal after being driven only 300 miles, and another manufacturer claiming that molded linings will score the drums under severe conditions. Third and fourth, it is almost unanimously agreed that molded lining will give longer wear and better braking action. Normal service for a well adjusted set of brakes equipped with molded lining, is set at from twenty to thirty thousand miles, and cases have been known where fifty thousand miles have been obtained and the lining only about 50% worn.

The Service Station so far is not so enthusiastic over the molded type as is the car manufacturer. At the present time approximately 75% of the woven brake lining used is in four sizes and the garage or service station can purchase eight or ten rolls which will service the brakes on the majority of cars. If molded lining replaces the woven type, it will be necessary for either the jobber, the garage, or the service station, to stock a great many various types of molded brake lining sets, meaning more expenditure for stock, more room for storage, besides which

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A S B E S T O S

there is the possibility that the manufacturer may change the diameter of the drum, rendering obsolete all molded brake lining sets in stock for that particular car.

It is also necessary for a garage to have a drilling machine for the attachment of molded lining, for the molded type does not lend itself to the antiquated punching methods which the lesser equipped garages have used on woven lining. A survey made and published some months ago by the Chilton Company, stated that all but about 18,000 garages in the country (there are over 100,000 all told) were equipped with drilling and attaching machines, which indicates that the problem of attaching will be rapidly solved.

Having thus depicted the history of molded lining, the reasons for its being, and its advantages and disadvantages, we are ready to discuss the questions of most interest to the asbestos industry in general, viz: Will the molded lining entirely replace the woven type? And what effect would such replacement have on the asbestos industry?

It is evident from the comments of various brake lining manufacturers that none of them are rushing into the production of molded lining without carefully studying all the factors involved, and this in itself is an indication that none of the manufacturers regard the molded type of lining as a merely transient fad.

Not all of the manufacturers, however, are convinced that molded lining will at any time entirely replace the woven lining. Says one manufacturer: "It is quite probable that when molded brake lining has been used over an extended period, there will develop more criticism than is now given the woven type, and the car manufacturers will go back to the woven brake lining. It is quite probable that woven linings will be developed, not only superior to the present type, but superior also to the molded type."

Still another manufacturer suggests that while molded appears to be the most satisfactory lining for internal brakes, it is within the range of possibility that a change in brake design would make necessary a change in brake

— A S B E S T O S —

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A S B E S T O S

lining, just as the adoption of internal brakes influenced the change from woven to molded.

Another manufacturer states that he believes the future brake lining will be of the molded type, because of the ability to incorporate in molded lining a higher degree of perfection, either from inherent properties or from manufacturing and assembling possibilities, but at the same time he admits that there is a possibility of an entirely new type of lining, and that perhaps molded is just a trend in that direction. He points out the fact that only a short time ago it was impossible to sell a molded facing, and today the molded facing has entirely replaced the woven and come into its own. This was true also when the clutch manufacturer found that the molded worked more successfully in the modern clutch.

As to the effect on the Asbestos Industry of the universal use of the molded type of lining, no manufacturer of brake lining has ventured any very definite opinion. In considering the subject, a number of questions arise in our minds.

In the first place, it seems fairly certain that no matter what developments may take place in the brake lining industry, asbestos, in some form or other, will always be required, because as yet no other material has been found which will give the proper resistance to the heat engendered by automotive brakes.

If the molded lining is generally adopted, it means that instead of the long spinning fibres and erudes, now used in the woven type of lining, a short grade, approximately that of paper stock will be required, and in ever increasing quantities. As a matter of fact, paper stock is one of the most plentiful of grades at present, but that used in the United States comes almost exclusively from Canada as the high cost of transportation from other countries prohibits those countries offering this grade of material to United States manufacturers at prices competitive with Canadian.

Is it possible that a greatly increased use of this low grade fibre would result in an advance in price on this grade to a point which would make it possible and profitable for African and Russian fibres to compete? Is it pos-

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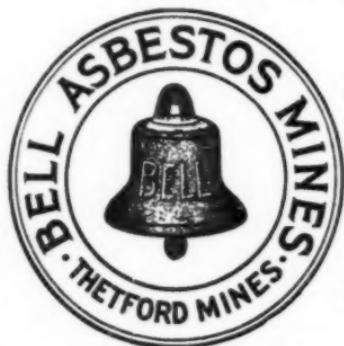
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sible that such advance in price would make it feasible for Canadian and other miners to supply a somewhat higher grade, possibly as high as a long spinning fibre, for this use in the event that mines would be overstocked on the spinning grades by reason of the discontinuance or very material decrease of its use in woven brake lining? And if such result would eventuate, could the longer fibre be used to advantage in the making of molded lining?

If the woven type of lining is entirely or even 75% replaced by the molded type, could the asbestos textile industry find an outlet for the capacity of its spinning and weaving plants. Such a tremendous quantity of the output is at present absorbed in the brake lining industry that its discontinuance in that industry would undoubtedly require the finding of new uses for yarn and cloth in many different directions, in order to utilize the large quantity of crudes and spinning fibres now going into the making of woven lining.

It seems obvious that if the molded lining does to a large extent replace the woven type, the manufacturers of molded should assure themselves of a profit on the molded material which will compensate them at least partially for the expense to which they are put in changing over from woven to molded. If the motorist receives better service, both in durability and action, from the molded type, he should be, and very probably will be, entirely willing to pay a premium for the better service.

One of the manufacturers suggests that a type of molded brake lining using a woven asbestos tape as a base, this tape of very high asbestos content, made very compactly, properly impregnated with binding compounds less susceptible to temperature changes than the present impregnating compounds, subjected to hydraulic pressure, possibly rigid enough to require shaping in order to assemble on the shoes, may be the outcome of the present trend towards molded. If such a material were developed, would the production cost be sufficiently low to enable it to compete with the present molded type,

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A S B E S T O S

or, conversely, would its advantages over the molded type be sufficiently great to compensate for difference in cost of production?

These are just a few of the questions which must eventually be answered, and which in the meantime must be taken seriously into consideration by the miners, the spinners and the weavers of asbestos.

We will appreciate any comments anyone in the Asbestos Industry cares to make on the subject, and with their permission will publish such comments in a forthcoming issue.

William R. Haggart

It is with much regret that we announce the death of William R. Haggart, who passed away in Philadelphia, on Saturday, January 12th, after a short illness.

Mr. Haggart was born in Cornwall, Ontario, Canada, in 1872, and spent his early boyhood in that town. After completing his education at Belleville, Ont., he came to Philadelphia and entered the employment of the Philadelphia Brush Company.

In 1898 Mr. Haggart joined the staff of the Garlock Packing Company, and later, was one of the organizers of the Anchor Packing Company, of which he was Vice President, and was active in its management until the time of his death. He was also Vice President of the United States Asbestos Company.

In 1902 he married Elizabeth Taylor of Philadelphia, who survives him.

Mr. Haggart was Councilman of the 21st Ward in Philadelphia from 1907 to 1911. He was a Director of the Roxboro Trust Company, former President of the Roxboro Country Club, a member of the Roxboro Board of Trade, Masonic Order and the Shriners.

His death, which occurred in his fifty-sixth year, is a loss to the industries with which he was associated, as well as to a host of friends in Cornwall, Philadelphia, and throughout the country.

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Quebec, Canada



Sir Edmund Davis

Such tremendous interest is being shown in the Asbestos fields of Africa, that it seems timely to publish a short biography of a man who has done so much toward promoting the general mining industry in Africa along safe, sane and profitable lines.

Sir Edmund Davis is perhaps not well known to our American readers, but in England and Africa, his name connected with a mining or other business project, is equivalent to the stamp of "sterling" on silver.

He went to South Africa in 1879, and was employed by a commercial firm. Soon afterward he took over the management of sealing and guano islands near the coast, going to Barberton. He acquired an interest in a gold mining company there and later went thru South West Africa, re-

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turning to London to float the Bechuanaland Exploration Company, Ltd., the activities of which reached into Rhodesia. He formed various companies to work minerals in Southern Rhodesia and later companies that started operations in Northern Rhodesia. In the early days of Rhodesian development, he took up chrome mining and gradually obtained a place in the world's markets for Rhodesian chrome ore, where it now has a commanding position.

Sir Edmund also interested himself in Rhodesian Asbestos Mining and after two or three reconstructions, of companies, is now Chairman and Managing Director of Rhodesian and General Asbestos Corporation, Ltd., one of the most successful Asbestos concerns in the world. The Shabanie mine, owned by this Company, is considered to be the largest asbestos mining property in the world; in fact railways are so well satisfied with the importance and future of Shabanie that a branch of 62 miles from the main line has lately been constructed and opened.

Sir Edmund is director of thirty-two companies, and is actively interested in all of them, being Chairman of the Board of seventeen, and managing, or joint managing director of twelve. He has an astounding capacity for work and remarkable administrative ability. He appears to be in close touch with every activity of all these companies and has an accurate memory of every detail.

Sir Edmund is a dependable optimist and his spirit is never crushed by disappointment. If a promotion proves unfortunate, he stays with it until he finds a way to make it successful. His mental resourcefulness seems unlimited and his tenacity of purpose never wavers. With all his vast interests he finds time for rest and play; he is always genial, never hurried, and never shows signs of being overworked.

Because of his work in developing the mineral resources of the British Empire, he was knighted by King George in 1927.

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Little Lessons in Selling

BY JOHN T. BARTLETT.

What is Your Sales Ratio?

There is put to us a pertinent question.—“out of ten average calls, how many sales should we make?”

No fact is more certain in selling than that 90% of all salesmen underestimate the number of sales they can make. When a salesman decides he cannot make a sale, usually he doesn't make it. When he has a sales ratio mentally established, as one sale to two calls, or two sales to three calls, or one sale to four calls, all psychological currents favor a result which doesn't exceed the expectation.

For success in selling, give me, any day, the man who sets a high sales ratio for himself. He may not attain it—but he'll sell far more, on the average, than the second man whose expectation is less.

A salesman noted for his skill in selling specialties became at last a sales manager. He preached constantly the slogan, “canvass anyone—sell everyone!” His personal record was, incredible tho it seems, eight sales out of eleven calls.

Another good salesman, in a trade where there is danger one will become a mere taker of orders, declared to the writer, “In 85% of the cases the customer who tells you that this trip he needs nothing, can be sold something. When a buyer makes that statement to me, my expectation is an order of some sort in eight or nine cases in ten. And I find, repeatedly, that what I start as a small order grows into the worthwhile one.”

So, setting a sales ratio for yourself, set a high one. The mere fact of expecting good selling results goes a long way toward securing them.



— A S B E S T O S —

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FACT AND FANCY

Camilo Castaneda.

The photograph shows one of the workers in the Arizona Asbestos fields, Camilo Castaneda by name.

Mr. Castaneda in his letter to us recently says:

"I can't miss any issue (of "ASBESTOS"). I have been in the asbestos fields for the last ten years—have been working since the age of 14."

At present Mr. Castaneda is an asbestos inspector employed at the Chrysotile mine.

This is just one more illustration of the assistance "ASBESTOS" gives to the men in the lower ranks who are sufficiently interested in their work to seize every opportunity to study it. Many executives do not realize how much "ASBESTOS" is appreciated by their entire force.

Asbestos Shingles in a Hurricane.

Everyone remembers the terrific hurricane which swept the West Indies during September. The damage was tremendous, extending the full extent of the islands, no one in that section remembering a cyclone of such duration and violence. Houses were demolished everywhere, some of the small towns having only one or two left standing after it was over.

One of our correspondents¹ in France, has been kind enough to send us an account of the storm in Guadalupe, as published by the French newspaper "LeMatin," the writer of the article, Commander Peyre, having been in

¹Societe Francaise De L'Everite.

— A S B E S T O S —

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A S B E S T O S

Pointe a Pitre at the time of the storm.

Commander Peyre, in asking for supplies for rebuilding, urges that wood must be forbidden in rebuilding, he stating that only the houses made of concrete and roofed with "Everite" (the trade name of the Asbestos Shingles manufactured by Societe Francaise De L'Everite) fully resisted the storm.

Asbestos Cement Shingles have many times over proven their efficacy in time of fire, storm or other disaster, and this tribute paid them by "LeMatin," is only one more proof of the growing need of Asbestos Cement Products.

Theatre Curtains.

We are at present engaged in making a survey of the requirements by the several states, and various cities, for the construction of theatre curtains.

It will take at least another month, very possibly two, to get this material in such shape that it can be published in complete form, but when completed we will summarize it in these pages, and also supply to anyone interested a complete tabulation of the requirements in the various cities and states.

Inasmuch as there is quite an item of cost attached to the making of this survey, it will be necessary for us to make a charge of \$1.00 for the complete tabulation. You may send in your requests at any time, but the dollar need not be sent (in fact we prefer that it is not sent) until the tabulation is completed and in your hands.

It is probable that after the survey is made we will go still further, and to those cities of fair size which have no ordinance, we may suggest a standard ordinance to be adopted.

Can our readers suggest any further action in connection with this survey, which would tend to improve the theatre curtain situation?

— A S B E S T O S —

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Textile Specialties

Asbestos
Yarns, Roving
Cord and Cloth

Manufactured from the raw materials by

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PHILADELPHIA, PA.

A S B E S T O S

Expansion of the Russell Manufacturing Company

Announcement has recently been made by the Russell Manufacturing Company of Middletown, Conn., large manufacturers of Asbestos Brake Lining, and other woven tapes, of the appointment of J. M. Wilson as belting sales manager of the replacements department at Middletown.



J. M. WILSON

Mr. Wilson was formerly assistant division manager of the Company's branch at Atlanta, and later was active in sales management work for the company in New York. His promotion is one of several made recently to fill executive positions made necessary by the expansion of Russco business.

Another promotion of importance is that of R. W. Conroy, as aero sales manager of the replacements department, at Middletown. Mr. Conroy was formerly assistant manager of the Company's branch at San Francisco.

During the war and for some time after, Mr. Conroy was an aviation instructor in the U. S. Marine Corps, and is now a First Lieutenant in the U. S. Marine Corps Aviation Reserve. His practical experience in aviation makes him particularly suited for this appointment where he will have charge of the aeronautical sales for the company.

The Russell Manufacturing Company employ about 1500 men and women at their Middletown plant, some de-

— A S B E S T O S —



AMERICAN ASBESTOS COMPANY

••

Manufacturers of
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Asbestos Yarn Machinery

We wish to call to your attention that we can supply asbestos yarn manufacturers (and have for many years) the following machines:—

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- Breaker and Finisher Full
Roller Cards
- Camel Back Feeds
- Derby Doublers
- Condensers
- Spinning Frames
- Ring Twisters
- Flyer Twisters

WHITIN MACHINE WORKS
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Atlanta, Ga.

A S B E S T O S

partments working 24 hours a day. They are at present constructing a factory at St. Johns, P. Q., Canada, for the express purpose of supplying motorists of the Dominion and the British Empire with brake lining for replacement.



R. W. CONROY

large fleet of ships trading with the United States, exchanging Chinese merchandise for woven products. The Russell Mfg. Company was subsequently founded in order to make these woven products themselves.

When completed the plant will occupy an area of 80,000 square feet, it will carry the most highly specialized looms and machinery for the manufacture of the highest grade brake lining. The plant is situated twenty-two miles from Montreal, advantageously between the forks of two railways.

The Russell Manufacturing Company, was really started in 1810, when Russell & Company, (founded in Canton, China, by Samuel Russell, the founder of the Russell Mfg. Company) were operating a

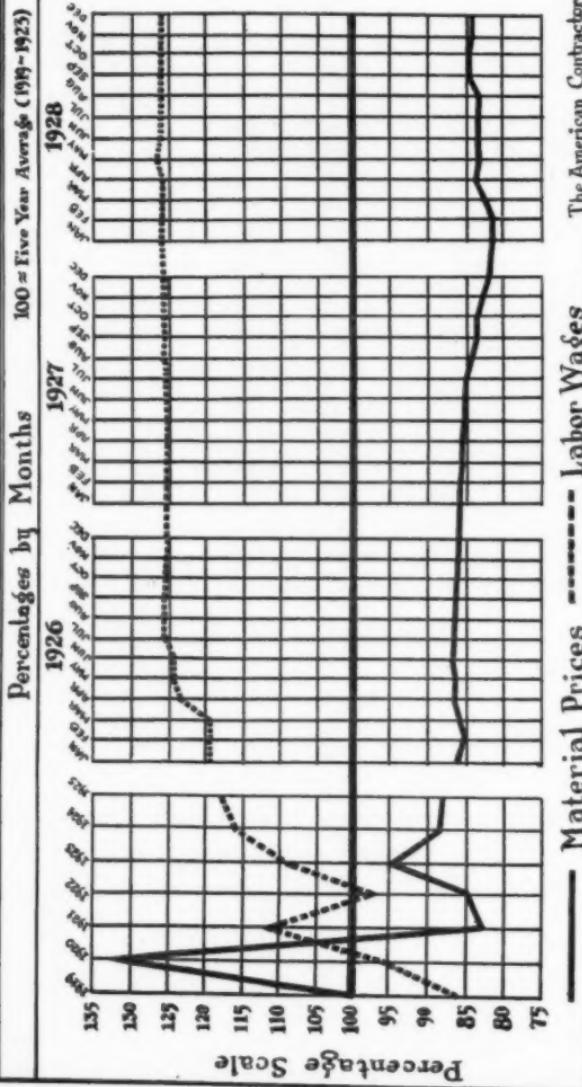
We are in the market for
Crude Asbestos Fibre of All Kinds
and have for sale
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A S B E S T O S

Changes in Construction Material Costs and Labor Wages

A National Average





CONTRACTORS AND DISTRIBUTORS PAGE

WAGE NOTES

The chart on the opposite page shows graphically the trend in material costs and wage costs in the Construction Industry. A study of this chart will prove of interest.

Fifteen upward revisions of wage scales for as many local crafts were reported in December and effective January 1, 1929. While wage increases are more numerous than for the same month last year, there is no evidence of any extended demand for wage increases during the coming year. On the other hand the five day week is coming more rapidly to the fore as a factor in 1929 negotiations.

Agreements with Asbestos Workers expired on December 31st, in a number of cities. So far we have the following reports:

Philadelphia. New agreement signed, effective January 1st, 1929, and for one year from that date. Rate the same as previously, viz.: \$1.25 per hour.

Atlantic City, N. J. This city was formerly under the jurisdiction of Philadelphia, but now has a small union of its own. Agreement was signed at the same rate as Philadelphia, viz.: \$1.25 per hour.

Baltimore, Md. While agreement has not been signed up to time of going to press, rates have been agreed upon for 1929 and 1930, as follows: For 1929, Mechanics, \$1.37½, improvers .93½, with five day week. For 1930, Mechanics \$1.50, improvers, \$1.00.

St. Louis, Mo. Old agreement expired Dec. 31, 1928. New agreement not as yet drawn up or executed, and in the meantime, the Asbestos Workers are operating on the old basis, viz.: Mechanics \$1.37½.

BUILDING

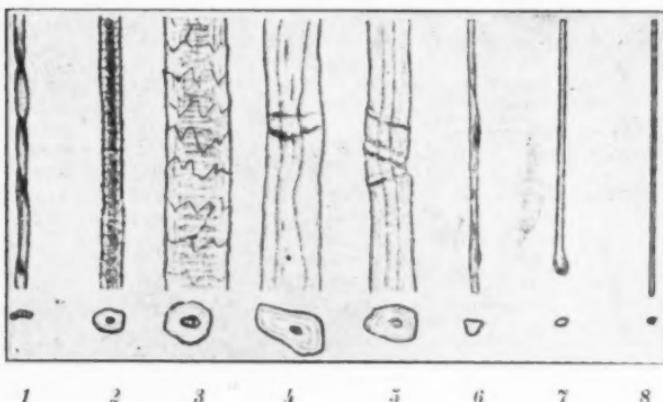
For the past seven years the Architectural Forum has issued an annual forecast of building construction, which has been so closely substantiated by later facts that it is now a recognized authority on the trend of building activity.

The Forum Forecast for 1929 has just been completed, after months of careful research, and if the deductions which have been drawn from the great array of dependable facts and figures are correct, it is quite probable that the year 1929 may prove to be the greatest of building construction years.

The actual contract record of 1928 was approximately 5% ahead of the total for the year 1927, and 4% in excess of the total for 1926. It is estimated by the Forum that the total construction for 1929 will exceed all past records by 4 or 5%, in fact the construction for 1929, exclusive of public works and utilities, is estimated at \$7,308,793.200. Total contracts awarded during 1928 amounted to \$6,628,286.000.

Construction of Asbestos Fibres as Compared with Others

The photograph reproduced below appeared in our January 1921 number, and has been repeated here at the request of some of our readers.



Various Fibres Magnified to show the difference in Construction

1 — American Cotton	5 — Flax
2 — Leicester Wool	6 — Silk
3 — Dog Hair	7 — Slag Wool
4 — Jute	8 — Asbestos

Notice the smooth edges of Asbestos fibre as compared with those of cotton, wool, jute, etc., when seen under the microscope.

This explains why Asbestos fibres are difficult to spin; and why in many products of which they form a part, they need a binder—in Asbestos Paper for instance.

The photograph was originally published by Turner Brothers Asbestos Company, Limited at Rochdale, England, a number of years ago and is reproduced with their permission.

— A S B E S T O S —

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for Manufacturers of

BRAKE LININGS

HIGH PRESSURE STEAM
PACKINGS AND FRICTION
FACINGS

MADE TO SPECIFICATIONS

Samples and Prices on Request

We Solicit Your Inquiries

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A S B E S T O S

M A R K E T



TRADE MARK

ASBESTOS-CEMENT
SHINGLES
CORRUGATED
SHEETS
AND LUMBER,
ARE USED EXTENSIVELY
BY THE BELGIAN RAILWAY
AUTHORITIES & WAR
DEPARTMENT.
THIS IS PROOF OF
THEIR QUALITY.

Scheerders -
Van Kerchove
United Company
(Ste Anne)
St. Nicolas (Waes)

QUOTATIONS, LITERATURE and SAMPLES SUBMITTED TO ANY ONE INTERESTED.

General Business.

General business appears to be in pretty good order. "Industrial activity during January has, on the whole, come up to the optimistic predictions which were made at the start of the new year," says Industrial Digest. The high money rate is causing some concern. The stock market is daily creating new highs. Employment is better.

Asbestos—Raw Material.

"There has been little change in the raw material market since last month," says one of our correspondents. "Production of lower grades in Canada was not very great for the month of January, but this was to be expected as production is always at the low point during this period of the year. Prices remain unchanged on all except the very short grades. Spinning material is more plentiful except on one or two grades and textile manufacturers seem to have adjusted themselves to the use of many varieties and grades of asbestos."

A S B E S T O S

CONDITIONS

A letter from an English manufacturer of asbestos goods complains rather bitterly of the high prices prevailing on raw asbestos, and the low selling prices obtainable on manufactured goods.

Another English correspondent writes: "Prices in nearly all sections of the Asbestos Industry are very firm and textile quotations show a hardening tendency owing to the high prices ruling for spinnable material. The New Year has opened with a more optimistic outlook in the shipping trade and the iron and steel industry which is bound to be reflected sooner or later in the demands for Asbestos required by those trades."

Manufactured Goods.

The market situation in asbestos products is fairly satisfactory. In the insulation division demand is good. With ever increasing use of higher and higher pressure steam power plants, the demand for greater thickness of Magnesia is increasing tremendously, and this is also

EVERITE



TRADE MARK

"EVERITE"

Asbestos Cement
Shingles
Lumber
Corrugated Sheets

"GIFFA"

Decorative
Wall Lining
(patented)

The best imitation of
Marble Panels measuring
8' 3" x 4'
27 Patterns

Apply for Prices, Pamphlet and Free Samples

**Societe Francaise de
"l'Everite"**

Plaine St. Denis
nr. Paris
and Bassens nr.
Bordeaux
(France)

A S B E S T O S

true of all types of steam insulation. The market is therefore very firm.

Demand for textiles appears to be good, but there is still a decided over-production capacity.

Prices in the Paper market seem to be well stabilized, due to average demand.

The shingle division has its seasonal recession at this time of year, but quite nice volume of business is being booked for early spring delivery.

Comments from asbestos manufacturers in general show a most optimistic opinion as to asbestos prosperity for 1929.

A typographical error was made in our Market Conditions for January, which considerably changed the meaning of the paragraph. On page 34, the last paragraph read : "Canadian Shingle fibre is moving well and prices are firm. There is plenty of *crudes and spinning* Paper Stock, but prices seem to be well maintained."

This should have read : "Canadian Shingle fibre is moving well and prices are firm. There is plenty of *shorts available* and Paper Stock, but prices seem to be well maintained."

Our March 1927 number contained an article on Bryk-Lyk Air Cell Veneering, an asbestos cement product.

Patent on this material was granted W. A. Stoehr of Pittsburg on October 23rd, under the name Wall Veneering Material. Mr. Stoehr is interested in making a royalty arrangement with some one to manufacture the material, or might be persuaded to sell the patent. Anyone interested address Mr. Stoehr at 603 E. Ohio St., N. S., Pittsburg, Pa.

ASBESTOS STOCK QUOTATIONS

	January 1929			
	Par	Div.	High	Low
Carey (Com.)	100	8	275	230
Carey (Pfd.)	100	6	125	125
Certaineed (Com.)	np	-	24 1/2	28 1/2
Johns-Manville (Com.)	np	3	180 1/2	237
Raybestos (Com.)	25	3.20	69 1/2	78 1/2
Rubberoid (Com.)	np	4	95 1/4	108 1/2
Southern Asb. (Com.)	np	2.25	42 1/2	45 1/2
United States Asb. (Com)	np	3.	47 1/2	51 1/2
Asb. Corp. (Com.)	np	-	22 1/2	16
Asb. Corp. (Pfd.)	100	7.	68	57 1/2

A S B E S T O S

"CAPE" BLUE ASBESTOS

POSSESSES
DURABLE & NON-CONDUCTING QUALITIES
unequalled by any other asbestos, besides which it has:

- (1) Greater tensile strength
- (2) Greater specific volume
- (3) Greater resiliency

SPECIALTIES :—

ALL CHEMICALLY PURE i. e. 100% ASBESTOS
"Pluto" Blue Asbestos Mattresses for Locomotive
and Marine Boilers, etc.

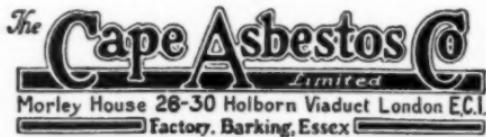
Blue Cloth for Acid Filtration

'Bluejacket" Sectional Covering for steam pipes
(100% Asbestos)

THE RAW MATERIAL IS GRADED AS FOLLOWS:

"S" Crude from $\frac{1}{4}$ in. to $\frac{1}{2}$ in. in length of fibre
"A" Crude from $\frac{1}{2}$ in. to $\frac{3}{4}$ in. in length of fibre
"B" Crude from $\frac{3}{4}$ in. upwards in length of fibre

Prices for Crude can be obtained on application direct to the Cape Asbestos Co. Ltd.

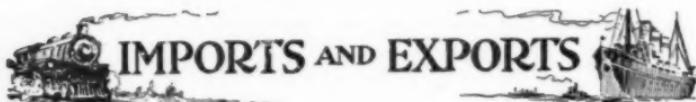


Telegrams:—"Incorrupt," London. Telephone City 6937

Sole Representatives for the sale
of blue manufactured goods in
America.

The United States Asbestos Co.
Manheim,
Penns.

— A S B E S T O S —



Imports into U. S. A.
Unmanufactured Asbestos.

	Dec. 1927	Dec. 1928		
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
Africa (Br. S.)	418	\$ 63,753	229	\$ 31,545
Africa (Egypt) .....	...	...	93	35,610
Africa (Port. E.) .....	...	...	151	54,934
Australia .....	...	...	60	27,536
Belgium	27	7,084	49	7,958
Canada	14,292	584,615	17,336	680,837
Germany	82	20,788	240	69,025
United Kingdom	21	2,601	19	2,857
	14,840	\$678,841	18,177	\$910,302

Tabulation of Crude only:

Africa (Br. S.)	193	41,489	229	31,545
Africa (Egypt) .....	...	...	93	35,610
Africa (Port. E.) .....	...	...	151	54,934
Australia .....	...	...	60	27,536
Belgium	27	7,084	...	...
Canada	487	151,980	556	120,793
Germany	82	20,788	192	63,220
United Kingdom	19	2,501	18	2,651
	808	\$223,842	1,299	\$336,289

The balance of raw material imported during December 1928, consisted of the following: From Canada 7,905 tons of Mill Fibre valued at \$403,654, 8,875 tons of lower grades, valued at \$156,390; from Belgium, 49 tons of Mill Fibre, valued at \$7,958; from Germany, 48 tons of Mill Fibre valued at \$5,805; with 1 ton of Mill Fibre, valued at \$206 from the United Kingdom.

SUMMARY FOR YEAR—UNMANUFACTURED

Unmanufactured Asbestos—by Countries.

	Year 1927		Year 1928	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
Africa (Br. S.)	3,106	\$ 496,430	2,868	\$ 517,234
Africa (Port. E.)	1,832	441,803	1,825	559,369
Africa (Other Port.)	67	15,390	153	39,082
Africa (Morocco) .....	...	...	7	1,741
Africa (Egypt) .....	...	...	93	35,610
Austria .....	...	...	26	809
Australia .....	...	...	84	36,911
Belgium .....	...	...	815	99,007
Canada	192,391	6,679,642	197,597	7,034,418

A S B E S T O S

	Year 1927		Year 1928	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value

Unmanufactured Asbestos—by Countries (Continued).

France	...	...	97	15,885
Germany	...	...	1,941	590,511
Italy	...	...	13	7,456
Netherlands	...	...	81	18,038
United Kingdom	255	49,941	290	61,736
Other Countries	1,766	460,330	1	84
	199,417	\$8,143,536	205,891	\$9,017,891

Unmanufactured Asbestos—by Grades.

Africa

Crude	4,431	898,541	4,740	1,126,699
Mill Fibre	574	55,082	204	26,287
Lower Grades	...	...	2	50

Canada

Crude	4,884	1,331,426	5,047	1,194,039
Mill Fibre	69,944	3,423,099	79,354	3,970,913
Lower Grades	117,563	1,915,117	113,079	1,867,516
Stucco	...	...	117	1,950

Austria

Mill Fibre	22	763	1	29
Lower Grades	1	14	25	780

Australia

Crude	84	36,911
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Belgium

Crude	84	18,795	105	14,095
Mill Fibre	59	8,986	563	84,912

France

Crude	97	15,885
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Germany

Crude	1,560	429,563	1,970	576,034
Mill Fibre	31	912	118	14,477

India, Br.

Mill Fibre	3	88
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Italy

Crude	6	1,209	12	7,387
Mill Fibre	1	69

Netherlands

Crude	81	18,038
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United Kingdom

Crude	194	43,500	246	58,607
Mill Fibre	61	6,441	17	2,573
Lower Grades	27	556

Malta, Gozo, etc.

Mill Fibre	1	84
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199,417 \$8,143,536 205,891 \$9,017,891

A S B E S T O S

Manufactured Goods:

	December Pounds	1927 Value	December Pounds	1928 Value
<i>Yarn—</i>				
Germany	441	\$ 445	459	\$ 478
United Kingdom	35,739	10,143	470	148
<i>Fabrics, Woven—</i>				
United Kingdom	17,418	7,006	2,864	1,749
<i>Packing, Fabric—</i>				
United Kingdom .....	...	...	5,674	2,092
<i>Packing, not Fabric—</i>				
Austria .....	...	...	6,310	1,360
Canada	850	39	13,828	1,229
France	2,912	462	...	...
Germany	3,284	867	6,498	1,692
United Kingdom	6,594	2,789	2,923	1,013
<i>Shingles, Slate, Wood and Lumber—</i>				
Belgium	3,781,148	55,065	660,575	9,895
Canada	136	8	54	14
Cuba .....	...	...	1,877	68
France	430,144	8,262	58,218	817
Germany	113,034	1,823	97,023	1,487
Italy .....	...	...	30,480	762
Netherlands	427,422	7,039	247,887	3,931
United Kingdom .....	...	...	80	16
	<hr/>	<hr/>	<hr/>	<hr/>
	4,751,884	\$72,197	1,096,194	\$16,990
<i>Asbestos Cement—</i>				
Italy	960	37	...	...
<i>Other Manufactures—</i>				
Austria	214	70	...	...
Belgium	38,716	633	...	...
Canada	1,200	138	...	...
France	10,564	258	38	25
Germany	150	324	110	75
United Kingdom	4,692	2,760	717	624
	<hr/>	<hr/>	<hr/>	<hr/>
	55,536	4,183	865	724
Total	<hr/>	<hr/>	<hr/>	<hr/>
	4,875,618	\$98,168	1,136,085	\$27,475

Shingles, Slate, Wood or Lumber—By Districts.

	December Pounds	1928 Value
Baltimore	20,000	401
Florida	108,873	1,749
Galveston	131,107	1,983
Georgia	96,363	1,472
Mobile	71,869	994
New York	228,813	3,838
New Orleans	250,373	3,573
Philadelphia	24,771	327

— A S B E S T O S —

Asbestos Fibre

*for the manufacture
of*

Roofing Cements · Fibrous Paints
Filtration Packings
Asbestos Shingles and Lumber
Insulating Cements
Asbestos Paper · Pipe Coverings
Asbestos Millboard
High Temperature Cements

**THE QUEBEC ASBESTOS
CORPORATION**



Office and Mines

**EAST BROUGHTON, PROVINCE of QUEBEC
CANADA**

— A S B E S T O S —

	December Pounds	1928 Value
Pittsburg	30,480	762
San Francisco	69,135	957
St. Lawrence	54	14
South Carolina	6,614	117
Los Angeles	57,742	803
	1,096,194	\$16,990

SUMMARY FOR THE YEAR—MANUFACTURED.

	Year 1927 Pounds	Value	Year 1928 Pounds	Value
<i>Manufactured Asbestos.</i>				
<i>Yarn—</i>				
Germany	2,100	1,901	5,868	5,083
Italy	602	653	517	668
United Kingdom	335,381	105,386	274,532	80,894
<i>Fabrics, Woven—</i>				
Belgium . . . . .	...	...	226	105
Germany	103	139	226	267
Italy . . . . .	...	...	326	289
United Kingdom	101,818	52,837	51,665	34,456
<i>Packing, Fabric—</i>				
Canada	413	275	5,332	373
Germany	2,182	609	429	531
Italy	97	203	...	...
United Kingdom	16,538	7,131	23,592	7,476
<i>Packing, not Fabric—</i>				
Austria	29,014	6,469	29,962	7,242
Belgium . . . . .	...	...	623	299
Canada	4,280	353	15,165	1,765
France	6,607	1,719	2,480	591
Germany	38,722	9,804	41,401	12,537
Hungary . . . . .	...	...	461	125
United Kingdom	43,476	14,636	55,597	23,292
<i>Shingles, Slate, Wood and Lumber—</i>				
Belgium	104,902,345	1,410,522	38,285,816	609,118
Canada	355,524	11,151	240,018	13,309
Cuba . . . . .	...	...	1,877	68
France	20,941,666	298,250	9,433,163	126,281
Germany	2,341,536	42,159	1,642,557	30,675
Hungary . . . . .	...	...	18,400	879
Italy	140,305	2,697	69,512	1,416
Netherlands . . .	5,488,962	83,847	5,895,763	102,179
Switzerland . . .	204,001	28,718	...	...
United Kingdom	72,782	23,164	80,331	2,141
Yugo Slavia . . .	8,390	195	...	...
	134,455,511	1,900,703	55,667,437	886,066

— A S B E S T O S —

CYPRUS ASBESTOS COMPANY LIMITED

The following is an unbiased opinion as to the merits of Cyprus fibre, expressed by a regular customer, who is one of the largest manufacturers of asbestos-cement goods in Europe, and whose products enjoy a world-wide reputation.

"Cyprus fibre is of the true chrysotile type, possessing great tensile strength. The fibre is exceptionally clean, being entirely free from dust and talcose matter—so detrimental to asbestos-cement tile and sheet manufacture—while a remarkable feature is that in grading the fibres remain straight, unbroken and "lifey", and thus do not cause "clots" in manufacture, but are distributed equally through the cement, resulting in a product of uniform and exceptional strength. The fibres moreover separate easily, and require very little treatment by the manufacturer.

These valuable characteristics of Cyprus fibre are becoming more and more widely appreciated, as is evidenced by the fact that sales to the asbestos-cement industry have expanded from 3,000 tons in 1925 to 20,000 in 1929.

*For samples and prices apply to
the sole selling agents*

CYPRUS TRADING CORPORATION, Ltd.
49 ST. JAMES'S STREET, LONDON, S. W. I.

A S B E S T O S

	Year 1927		Year 1928	
	Pounds	Value	Pounds	Value
<i>Asbestos Cement—</i>				
Belgium	13,800	192	...	...
Canada	26,799	2,097	128,240	8,548
Italy	45,490	584	...	...
Netherlands ...	600	22	...	...
Cuba .....	...	...	240	200
<i>Paper and Millboard—</i>				
Belgium .....	...	...	714	63
Canada .....	...	...	50	21
France	3,400	157	...	...
Norway .....	...	...	316	57
United Kingdom	...	...	1,398	345
<i>Other Manufactures—</i>				
Austria	12,283	4,119	2,210	1,137
Belgium	86,130	5,616	5,947	435
Canada	63,140	3,100	18,939	1,245
Czecho-Slovakia	...	...	710	314
France	17,741	1,309	2,104	319
Germany	35,790	6,230	3,163	1,923
Italy	50	8	...	...
Netherlands ...	3,064	2,230	...	...
Switzerland ...	550	140	1,052	306
United Kingdom	77,418	48,340	49,764	15,530
<i>Grand Total</i>		<i>135,423,099</i>	<i>\$2,176,962</i>	<i>56,390,686</i>
				<i>\$1,092,502</i>

Shingles, Slate, Wood or Lumber—by Districts.

	Year 1927		Year 1928	
	Pounds	Value	Pounds	Value
Baltimore	45,645	1,126	41,744	1,239
Buffalo	2,195	28	...	...
Chicago	2,772	548	...	...
El Paso (Tex.)	45,000	840	...	...
Florida	9,209,714	126,626	6,312,871	88,323
Galveston	6,815,174	89,815	11,471,232	156,970
Georgia	2,013,103	31,192	1,083,997	16,102
Hawaii .....	...	...	22,567	1,102
Kentucky	89,920	2,659	...	...
Los Angeles .....	...	...	115,817	1,663
Massachusetts	3,111,799	41,298	1,503,564	20,650
Maine & N. H.	3,000	112	15,184	397
Michigan	189,586	8,392	169,915	10,794
Mobile	252,764	7,776	2,423,223	35,900
New York	17,324,786	311,122	5,908,175	112,476
New Orleans ..	64,633,786	864,854	18,768,986	263,606
North Carolina .....	...	...	89,992	1,439
Ohio .....	...	...	83,267	1,878
Oregon	1,110	20	13,200	267
Philadelphia ..	26,619,934	355,002	6,869,862	159,753
Pittsburg	548,838	10,175	144,115	2,136

A S B E S T O S

	Year 1927		Year 1928	
	Pounds	Value	Pounds	Value
Porto Rico . . . . .	...	...	9,000	193
Rhode Island . . . . .	...	...	50,981	684
San Antonio (Tex)	2,440,943	31,914	...	...
San Francisco	182,300	3,270	182,587	2,680
Sabine (Tex)	491,075	6,385	48,709	771
St. Lawrence	21,911	702	36,598	1,155
South Carolina	129,581	2,146	195,452	3,342
Tennessee	17,400	522	...	...
Vermont	43,553	690	18,321	963
Virginia	75,605	1,220	84,878	1,390
Washington	144,017	2,269	...	...
Wisconsin . . . . .	...	...	3,200	193
	134,455,511	\$1,900,703	55,667,437	\$886,066

Exports from U. S. A.

Exports of unmanufactured asbestos during November¹ 1928 amounted to 44 tons, valued at \$19,319; compared with November 1927, of 1 ton valued at \$33.

Exports of manufactured Asbestos goods:

	Nov. 1927		Nov. 1928	
	Pounds	Value	Pounds	Value
Paper, Mbd. & Ribd..	69,270	\$8,275	91,855	\$10,030
Pipe Covg. & Cement	321,142	16,941	474,794	24,765
Textiles, Y'n & Pkg.	148,940	59,943	152,770	93,055
Brake & Clutch Lin'ng	47,317	31,174	728,338 li. ft.	140,315
Magnesia & Mfrs. of ..	287,443	18,507	468,770	35,547
Asbestos Roofing	2,909 sqs.	16,329	6,728 sqs.	58,449
Other Manufactures..	376,177	38,075	375,925	42,393

¹One month behind Imports.

Exports of Raw Asbestos from Canada.

	December 1927		December 1928	
	Tons	Value	Tons	Value
	(2,000 lbs.)		(2,000 lbs.)	
United Kingdom	1,549	\$ 98,036	40	\$ 5,500
United States	5,439	392,299	8,266	508,106
Australia	155	11,625	110	7,875
Belgium	760	55,400	520	35,175
Denmark	110	7,150	...	...
France	200	15,350	795	46,825
Germany	2,115	166,885	873	99,343
Italy	248	16,450	190	16,510
Japan	320	15,500	1,223	65,295
Netherlands	505	29,345	235	17,000
Spain . . . . .	...	...	33	2,310
	11,401	\$808,040	12,285	\$803,939

A S B E S T O S

	December 1927 Tons (2000 lbs.)	Value	December 1928 Tons (2000 lbs.)	Value
<i>Sand and Waste—</i>				
United Kingdom ..	287	6,537	...	...
United States	9,210	143,666	10,607	169,072
Australia	5	125	...	...
France .....	...	...	220	5,125
Germany	675	16,500	797	19,400
Italy	30	750	...	...
Japan .....	...	...	5	125
Netherlands	360	9,300	550	13,750
	10,567	176,878	12,179	207,472
<i>Grand Total ..</i>	<i>21,968</i>	<i>\$984,918</i>	<i>24,464</i>	<i>\$1,011,411</i>

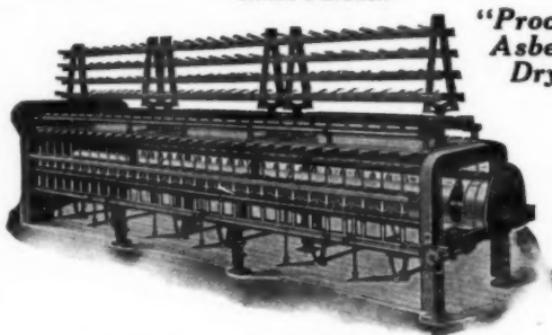
SUMMARY FOR THE YEAR—CANADA

	Year 1927 Tons (2000 lbs.)	Value	Year 1928 Tons (2,000 lbs.)	Value
<i>Sand and Waste—</i>				
United Kingdom ..	11,673	\$ 818,858	6,886	\$ 547,250
United States	75,930	4,706,247	80,765	5,157,955
Australia	1,697	119,965	1,390	104,275
Belgium	8,068	540,655	3,841	309,149
Denmark	206	15,140	190	17,700
France	5,486	409,840	7,012	505,825
Germany	16,317	1,223,768	13,589	1,153,177
Italy	3,687	246,633	3,431	296,148
Japan	7,553	402,075	9,165	507,758
Mexico	50	3,500	25	1,750
Netherlands	2,533	209,290	2,464	168,289
New Zealand	2	130	3	195
Spain .....	..	...	431	33,055
Other Countries ..	23	1,275	...	32
	133,225	8,697,376	129,192	8,802,558
<i>Sand and Waste—</i>				
United Kingdom ..	2,823	\$ 65,479	1,964	\$ 40,727
United States	120,378	1,830,728	126,417	1,960,491
Australia	5	125	4	100
Belgium	625	10,703	963	28,268
France	379	11,001	660	14,863
Germany	3,512	69,773	3,460	77,450
Italy	60	1,500	77	1,925
Japan	25	562	185	4,875
Netherlands	2,203	46,939	1,988	48,900
New Zealand .....	..	...	3	30
Spain .....	..	...	8	100
Other Countries ..	55	1,125	..	...
	130,065	2,037,935	135,729	2,177,729
	263,290	\$10,735,311	264,921	\$10,980,287

— A S B E S T O S —

ASBESTOS YARN MACHINERY

"Smith-Furbush"



"Proctor"
Asbestos
Dryers

PROCTOR & SCHWARTZ, INC.

Formerly Smith & Furbush Machine Co.

Seventh St. & Tabor Rd., Philadelphia, Pa.

Nederlandsche Asbest My.

ROTTERDAM (Holland)

P. O. BOX 803

Importers of Asbestos
Crudes and Fibres

Telegraph Address: Nedam, Holland

— A S B E S T O S —

Imports and Exports by England.

Imports of Raw Material.

	December Tons (2240 lbs.)	Value	December Tons (2240 lbs.)	Value
From Rhodesia	1,373	£ 47,137	845	£ 33,766
From Canada	1,848	28,739	633	10,818
From Other Countries ..	1,686	41,384	1,128	32,735
	4,907	£117,260	2,606	£ 77,319
Reshipments	164	5,143	437	12,498
	2,249	£102,802	3,001	£130,968

SUMMARY FOR THE YEAR—ENGLAND

Imports of Raw Material.

	Year Tons (2240 lbs.)	Value	Year Tons (2240 lbs.)	Value
From Rhodesia	12,078	£ 377,538	13,290	£ 493,167
From Canada	13,599	226,068	7,700	136,619
From Other Countries ..	7,872	202,946	11,116	317,309
	33,549	806,552	32,106	947,093
Reshipments	3,794	116,412	4,886	172,548
	29,710	£1,266,432	33,661	£1,431,414

Dr. G. Einecke, President of Kruppsche Bergwaltung, Weilburg, Germany, has very kindly sent us a discourse on Asbestos, written by Dr. Einecke, and published in 1928 in the second edition. It is the first monograph in the German language. We will be glad to lend this brochure to anyone interested.

— A S B E S T O S —



PRODUCTION STATISTICS

October 1928

	Tons (2000 lbs.)	Value		
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Africa (Rhodesia).

Bulawayo District.

Biltong (Vukwe Asb. Syn. Ltd.	10.00	£ 200	0	0
Croft (Afr. Ash. Mng. Co. Ltd.)	223.20	4,798	16	0
Nil Desperandum & Sphinx (Afr. Asb. Mng. Co. Ltd.)	628.80	13,916	14	0
Norma (United Mng. & Gen. Tr. Ltd.)	7.00	140	0	0
Pangani (J. S. Hancock)	14.30	286	1	5
Shabani (Rho. & Gen Asb. Corp. Ltd.)	1,443.96	28,879	4	0

Lomagundi District.

Ethel (Rho. Chrome & Asb. Co. Ltd.)	54.00	1,080	0	0
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Victoria District.

Gath's (R. & Gen. Asb. Corp. Ltd.)	456.87	9,137	10	0
King (R. & Gen. Asb. Corp. Ltd.)	262.55	5,251	2	0
	<hr/>	<hr/>	<hr/>	<hr/>
	3,100.68	63,689	7	5
Less overdeclared on adj. to 3/31/27 (Gaths)		783	17	10
	<hr/>	<hr/>	<hr/>	<hr/>
	3,100.68	62,905	9	7

Production during October 1927... 2,217 £50,085

Africa (Union of South Africa)

	October Tons	1927 Value	October Tons	1928 Value
	(2000 lbs.)		(2000 lbs.)	
<i>Transvaal</i>				
Amosite	467.50	£ 4,753	583.50	£ 6,095
Blue	11.00	82	...	...
Chrysotile	1,621.00	25,101	1,205.00	20,485
<i>Cape</i>				
Blue	498.25	10,757	441.72	9,924
	<hr/>	<hr/>	<hr/>	<hr/>
	2,597.75	£40,693	2,230.22	£36,504

Cyprus

December 1928	787 tons (2240 lbs.)
December 1927	358 tons (2240 lbs.)
Year 1928	16,287 tons (2240 lbs.)
Year 1927	11,200 tons (2240 lbs.)

A S B E S T O S

NEWS OF THE INDUSTRY

ASBESTOS SHINGLES, CORRUGATED SHEETS & LUMBER

MOLITH
ASBESTOS CEMENT

TRADE MARK

MOLITH ASBESTOS WORKS

BELGIUM

Bentley's Code Used

BETON & MOLITH, S.A. - MOLL

Telegrams "Molith Moll"

Birthdays. Our birthday list this month contains the names of Clarence E. Witherspoon, President, Asbestos Construction Company, Inc., New York City, whose birthday occurs on February 20th; E. M. Rogers, President Rogers Asbestos Co., Inc., Houston, Texas, February 24th; W. A. Godfrey, Secretary & Manager, Cape Asbestos Co., Ltd., London, England, March 1st; J. P. O'Malley, Secretary Standard Asbestos Mfg. Co., Chicago, Ill., March 1st; E. J. Wilson, President, Elwood J. Wilson, Inc., New York City, March 7th; Patrick Smith of Smith & Kanzler, Elizabeth, N. J., March 15th. We extend hearty congratulations to these gentlemen.

The Lionel Asbestos Mines, situated twenty miles north of Nullagine, in the Pilbara District, Western Australia, according to the India Rubber Journal, have been lately acquired by C. de Bernales, on behalf of the Australian Machinery and Investment Company, Limited. It is said that a comprehensive development policy is to be proceeded with immediately.

"Luball" is the name of a lubricant recently developed and placed on the market by the Crandall Packing Company. This can be used as a thread lubricant for all classes of pipe work against steam, water, air and ammonia, for lubricating all kinds of packing and for various other purposes. Water, gasoline or benzol will not wash it off, which makes it especially useful at places where any of these three are encountered.

Jan De Witt. On January 1st, 1929, the offices of Jan De Witt were removed to Beurs, Kamar 1, Amsterdam C., Holland. The firm is interested in African Asbestos.

The Raybestos Twins, "Ray" and "Besitos" will entertain you over the radio,

— A S B E S T O S —

every Friday evening at 6.30 P. M., Eastern Standard Time. The Twins go on the air over WEAF (New York City) and basic Red Trans-Continental service to the Pacific Coast, including Denver and Salt Lake. We believe the Raybestos Company is the first asbestos brake lining manufacturer to provide radio entertainment. It is expected that jobbers, dealers and service men will greatly benefit by the nation-wide publicity given Raybestos thru this modern method of advertising.

The **Atlas Asbestos Company** of North Wales, Pa., has an attractive exhibit at the Atlantic Seaboard Hardware Association Show, held February 12th to 15th in the Commercial Museum, Philadelphia. Their space number is 287. The display is devoted particularly to North Wales roof coating, plastic roofing cement and similar products.

The **Asbestos Shingle, Slate & Sheathing Company**, Ambler, Pa., on January 7th to 11th, held their annual sales convention, at the Benjamin Franklin Hotel, Philadelphia. Branch Managers from all the Company's selling offices who attended, included H. J. Dougan, Boston, Mass.; F. W. Baetzel, Cleveland, O.; D. W. Widmayer, St. Louis, Mo.; R. A. Sarricks, Pittsburgh, Pa.; A. B. Spaulding, Philadelphia, Pa.; G. L. Courtenay, New York City; J. R. Adams, Chicago, Ill.; G. E. Strebel, Buffalo, N. Y.; D. L. Roberts, Washington, D. C.; H. J. Harton, Wilkes-Barre, Pa.; E. W. Ahern, Minneapolis, Minn.

Johns-Manville Corporation. A. S. Royal, Manager of the Philadelphia District of Johns-Manville Corporation, who is affectionately known as "Daddy," not only within the Eastern Division of the Johns-Manville organization but thruout the entire company, is rapidly recovering from his recent serious illness and is able to spend a few hours each day in the office.

Mr. Royal, who has been connected with Johns-Manville and consolidated companies for about forty years in various capacities, was stricken at the General Conference in New York during the week of September 17th. Upon his return to Philadelphia he endeavored to resume his duties but his condition became such that he was confined to his home and later removed to the hospital in a serious state. Six weeks were spent in rebuilding his strength sufficiently to enable the surgeons to complete their diagnosis and operate. During this period six blood transfusions were given, the donors being members of the Philadelphia District organization, every able bodied man volunteering.

After the operation his recovery has been remarkable. Scores of letters were received by Mr. Royal during his illness, not only from those within the organization but from many customers thruout the Eastern Division.

Munnik Myburgh Asbestos (Kaapsche Hoop) Ltd., Kaapsche Hoop, Eastern Transvaal, has recently appointed H. C. Hilton Manager of their mine, replacing F. Bennetts, resigned. Mr. Hilton was formerly Manager of the City and Suburban Gold Mining Company of Johannesburg.

George MacLellan & Co., Ltd., Glasgow, Scotland, has just

A S B E S T O S

completed a new plant, adjoining their present one, and expect to have all machinery transferred and in operation by June 1929. In the meantime, an additional plant has been installed and is operating, production has not only been maintained, but has increased. The firm manufactures various kinds of rubber goods, packings, jointings, asbestos lagging and mattresses.

Keasbey & Mattison Company. Richard V. Mattison has acquired all the capital stock of the Keasbey & Mattison Company and the Bell Asbestos Mines, and has thus become the sole owner thereof. The proposed suits in Equity have been abandoned.

Bell Asbestos Mines. With the advent of the new year there has been a decided change in the production of high grade Crudes and Fibre from this mine, the output of which fell off during 1928 to the extent of about 10,000 tons. It is believed that by April or May of this year this well-known mine will again be in normal production of both Crudes and Fibres.

Brake Linings, Ltd. Under the style of Brake Linings, Ltd., a private company has been registered in England, with a capital of £10,000, to carry on the business of manufacturers of and dealers in brakes, brake linings, brake blocks, clutches and clutch linings, friction fabrics, etc. A. Bailey is named as permanent governing director and chairman. The office is at Bridge Street Works, Buxton, Derby—India Rubber Journal.

Cape Asbestos Company, Ltd., announce that the five per cent cumulative preference dividend on the preference shares and a five per cent interim dividend on the ordinary and preference shares (all less tax) have been declared for the year ending 31st December, 1928. Warrants were posted on January 1st to holders registered on December 15th, 1928. For 1927 a dividend of 12 1-2 per cent. was recommended on the ordinary at the end of the accounting period and the preference payment was brought up to a similar percentage. The preference are entitled to a cumulative dividend of five per cent, and to an amount equivalent to the distribution on ordinary.—India Rubber Journal.

C. W. Poe Company of Cleveland, Ohio, on January 10th, terminated their agreement with the Banner Rock Products Company of Alexandria, Ind., and took over the exclusive sales rights for the General Insulating & Manufacturing Company, Alexandria, (manufacturers of GIMCO Rock Wool Products) and also of the Insulating Products Company of Aurora, Ill., manufacturers of Webers No. 48 Cement. The territory granted to the Poe Company by these concerns comprises all of Ohio, half of New York, half of Pennsylvania, half of West Virginia and Kentucky. The home office is in Cleveland, with branches in Cincinnati, Lima, Toledo, Buffalo, N. Y., and Pittsburgh, Pa.

The Ric-wil Company, Cleveland, Ohio, for the past twenty years manufacturers of conduit systems for underground steam pipes, has just announced the opening of two new direct factory branch offices, in Chicago and Baltimore. The Chicago Office,

A S B E S T O S

located at 724-25 Harris Trust Building, 111 W. Monroe Street, is in charge of Ralph E. Sutherland, who handled the Ric-wil account for the Standard Power Equipment Company, and Fred G. Austin, formerly a central station engineer with the Rochester Gas & Electric Company at Rochester, N.Y. The Baltimore office, located at 517 Garrett Building, is in charge of Louis G. Vance, who has been handling the Ric-wil account for a number of years with the firm of Vance & Vance, as manager of their Baltimore Branch.

The opening of these two new offices gives the Ric-wil Company four direct factory branch offices, acting as regional headquarters for their forty-four established agencies in the principal cities thruout the country. Besides the new branches, a direct factory branch is located in New York City, at 101 Park Avenue, in charge of C. W. Lemmerman, and one in Atlanta, Ga., 814 Glenn Building, in charge of R. V. Klein. The home office of the company is in the Union Trust Building, Cleveland, Ohio, and the factory at Barberton, Ohio.

Enlargement of the factory, now in progress, will greatly increase the manufacturing facilities and enable the Company to render even better service to those interested in district heating and steam transmission. A new department recently opened, will specialize in the manufacture and sale of several new products of special interest to the sewer industry, including vitrified cradle base for sewers, impregnated tape and a high grade sewer joint compound.

R. V. Aycock Company, during August 1928, moved its St. Louis office to 3900 Chouteau Avenue, having been formerly located at 514 S. 7th Street. This is rather belated news, but some of our readers may be glad to have the new address.

The Clark Asbestos Company of Cleveland, has added a two story building, 41'x56', to their warehouse, in order to take care of increased business.

A new office has also been opened by the Clark Asbestos Company at 417 Valentine Building, Toledo, Ohio.

Hinman Asbestos Corporation, of Cambridge, Mass., has, on January 1st, added to its sales force, Richard J. Collins, and Oscar W. Palm for the past six years Business Agent for the Boston Asbestos Workers' Local No. 6, is now in charge of its construction work.

C. E. Hinman, formerly located in Vermont, has moved to Boston, and is now in charge of the Sales Department of the Hinman Corporation, there, spending most of his time in the Massachusetts territory, with an occasional trip thru his former territory in Maine, New Hampshire and Vermont.

George W. Hinman, had the pleasure on January 1st, of visiting the site of one of their largest and most satisfying insulation contracts at the plant of the Fraser Paper Company, Madawaska, Maine. The normal temperatures for that locality range from zero to thirty degrees below, but the work was proceeding steadily in spite of the cold.

— A S B E S T O S —

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BRAIDED AND WOVEN TAPES
BRAIDED TUBINGS
WOVEN SHEET PACKINGS
WOVEN BRAKE LININGS
GLOVES, MITTENS, LEGGINS
GASKETS, SEAMLESS AND JOINTED
PACKINGS, STEM AND HIGH PRESSURE
WICK AND ROPE

ASBESTOS FIBRE SPINNING COMPANY
NORTH WALES, — PENNA.

A S B E S T O S

The Schierloh Sales Company of Lockland, Ohio., distributors for Pyro-Bestos products for the entire Ohio and Mississippi Valley territory, which takes in all the Central States from the Canadian border to the Gulf, have just published up-to-date specifications on Pyro-Bestos Products.

These specifications are for the use of Architects who design their own power and heating layouts, as well as for consulting and mechanical engineers interested in power and heating design. They are designed in strict accord with the A. A. I. Specification Files, and will be sent to any architect or engineer upon request. They will also be mailed free to any Covering Contractor interested in this kind of work in the territory mentioned.

Specification A. A. I. No. 37 covers the correct insulation for underground steam and hot water lines.

Specification A. A. I. No. 37-C covers the correct method of lining the interior of steel or iron smoke stacks, radial brick or concrete stacks, and also lining of large smoke breechings.

The advisory department of the Schierloh Sales Company is free to architects and engineers for the discussion of the best methods of insulating chemical towers or tanks, storage tanks, etc.

Blue Asbestos Mattresses, as distinct from white, have recently been specified by the London Midland & Scottish Railway, one of the largest railways in England.

Cape Asbestos Company. L. Breitmeyer, Chairman of the Cape Asbestos Company, Limited, is at present on a trip to South Africa which will keep him away from England for some three or four months.

Cape Asbestos Company. Rundle Olds, Mines Manager of the Cape Asbestos Company at Koegas, has recently suffered a severe loss in the death of his wife, which occurred after a lingering illness.

Turner-Newall. The shares of this new combine, since the amalgamation with Bell's United Asbestos Company, are reported to have risen rapidly on the London Stock Exchange.

The Bitong asbestos claims in the Bulawayo District, Rhodesia, had an output of ten tons in October. They belong to Vukwe Asbestos Syndicate, Limited.

Shabanie Mine, Rhodesia. A terrific storm occurred in this section on December 23rd, 2½ inches of rain falling in 35 minutes. The "Birthday" section of the mine was the chief sufferer, the shaft and a portion of the underground workings being flooded. About twenty workmen (natives) perished. Further damage was done by a second storm on December 26th.

United States Asbestos Co. E. Winslow Williams, Purchasing Agent of the United States Asbestos Company, Manheim, Pa., married Miss Edith H. Burrowes of Jacksonville, Fla., on Saturday, February 2nd.

On the same date, Parke E. Yarnall, member of the sales organization of the United States Asbestos Company married Miss Verna Hershey of Lancaster.

Johns-Manville Corporation last fall instituted a Foreman

A S B E S T O S

Training Course at their Manville Factory. The Course consisted of eight lectures, one being given every other Thursday at the Hotel Asbestos, thru the Extension Division of Rutgers University. The subjects of the lectures were: Responsibilities of the Foreman, Aids of Production, Standardization Costs and Their Relation to the Foreman, the Foreman's Relation to Employment and Labor Turnover, the Training and Education of Workers, Safety, a History of Industry.

The cost of the course was shared equally by the Company and the men. One hundred and forty men voluntarily enrolled, and attendance, interest and enthusiasm have been very good.

Later foreman training courses were started at the Nashua and Waukegan Factories, as well as at the Mines.

Johns-Manville Corporation, on February 1st, completed the purchase of the Banner Rock Products Company, whose properties are located in Alexandria, Ind.

The acquisition of the Banner Rock properties assures a continued supply of raw material for the manufacture of Rock Wool, and places at the command of Johns-Manville two plants and large rock deposits in Alexandria, and a dozen different products manufactured by the Banner Rock Products Company. Chief among the Banner Rock products is rock cork, a low temperature insulating material used in large quantities for the construction of household and commercial refrigerators. One of the most important uses to which rock wool is put is the insulation of dwelling houses.

Nearly 400 employees have been added to the Johns-Manville organization thru this purchase.

Johns-Manville Corporation has recently installed a "telephone typewriter," connecting its Manville factory with its New York Office. This machine when connected to another by means of a telephone circuit, controls the second machine, so that any message written on the first machine is simultaneously reproduced by the second. The two machines are on a private wire so that they may be in operation constantly. There are said to be many advantages in the use of this machine, chief of which are the elimination of misunderstood telephone messages.

PATENTS

Yarn. No. 1,688,620. Granted on October 23rd to John Allen Heany, New Haven, Conn., assignor to Worldbestos Corporation, Paterson, N. J. Filed April 23, 1926. Serial No. 104,056. An apparatus adapted for the manufacture of Yarn from paperlike strips or bands of Asbestos material, bound with sufficient cohesiveness and tenacity and adapted for yarn manufacture.

Brake Lining Composition. No. 1,693,394. Granted on November 27th, to Robert Laughlin, Chicago, Ill., assignor to Brand Company, Chicago. Filed November 3, 1924. Serial No. 747,689.

Described as a composition for brake linings, clutch members and the like, comprising a mixture of the following ingredients: rubber sponge, linseed oil, crude paraffin wax, litharge, sulphur, hard wax tailings, rosin, calcium hydroxide, soft wax tailings or petroleum tailings.

A S B E S T O S

THIS AND THAT

Beginning May 1, 1929, the Journal of the American Society of Heating and Ventilating Engineers, will be published as a part of the magazine Heating, Piping and Air Conditioning, published monthly in Chicago to serve the fields of heating, industrial piping and air conditioning.

Paul D. Close of Chicago, has been appointed Technical Secretary of the Society of Heating & Ventilating Engineers for the year 1929.

"The year 1928 wasn't so bad, but 1929 promises to be much better," says an Insulation Contractor.

A weed is a plant for which no use has as yet been discovered.

Those of our readers who have sons about fifteen years of age interested in aviation (and since Lindy flew the Atlantic what boy is not) will be interested in the new book by Major Victor W. Page, Air Corps, U. S. R., published under the title "ABC of Aviation." The book is bound in durable antique paper, and contains 160 pages and 150 illustrations. It has been published especially for the benefit of young people and non-technical readers. Major Page is author of several other books on aviation and is well recognized as an able writer in this field.

The book can be obtained from The Norman W. Henley Publishing Company, 2 West 45th Street, New York City, at the price of \$1.00.

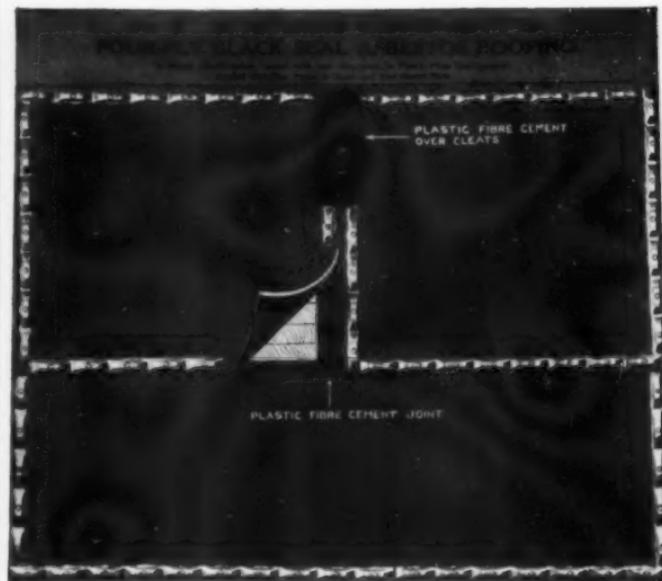
The years have taught some sweet, some bitter lessons—none wiser than this: to spend in all things else, but of old friends to be most miserly.—Lowell.

"You seem to have had a serious accident?"

"Yes," said the bandaged person, "I tried to climb a tree in my motor car."

"What did you do that for?"

"Just to oblige a lady who was driving another car. She wanted to use the road."

— A S B E S T O S —

CLASS "A" ROOFING

Four (4) Ply Black Seal Asbestos Roofing for use on Wood Decks with inclines of 3 in. fall to the foot or more. Ideal type of Roofing for saw-tooth construction. Used in connection with all types of Built-up Roofings of either Asbestos Felts Asphalt Felts or Tarred Felts.

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